ABSTRACT OF THE DISCLOSURE

In a PFC decomposing apparatus according to the present invention, PFC contained in a discharged gas is decomposed in catalyst cartridge 3 packed with a catalyst containing 80% Al_2O_3 and 20% NiO. The discharged gas containing acid gases as a decomposition gas is cooled in cooling chamber 6 and led to discharged gas washing column 13, where the acid gases are removed. Mists of acid gases (SO_3 mists or NOx mists) entrained in the discharged gas are separed in cyclone 16. Compressed air at about 0.1 Mpa is fed to ejector 24 through air feed pipe 56. The interior of ejector 24 is brought into a negative pressure state by the compressed air to such the discharged gas from cyclone 16 and ejector. Ejector 24 can reduce a frequency of maintenance inspection, as compared with a blower.